Service Manual

PL-601 Semi-Automatic Turntable PL-701 Full-Automatic Turntable

Specifications

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P	-RC	11

Platter drive system Belt drive Double floating Insulation FG servo DC motor Motor 12" × 1-3/16" Platter diameter/thickness 2.2 lbs. Platter weight 0.6 lbs. Platter mat weight Speed $\pm 3\%$ Speed adjustment range Wow and flutter S/N

Tone arm effective length Overhang Tracking error

Recommended stylus pressure

Recommended cartridge

weight Headshell Arm control

Sub chassis

Weight

AC power requirement Power consumption Dimensions

33 or 45 rpm

0.035% nominal 68 dB DIN B nominal

8-15/32" 19/32" less than ± 2° 0 - 3g (with cartridge weight 3.5 – 10g)

0 - 2.5g (with cartridge weight 3 - 3.5g)

3 - 10g

Carbon fibre (removable) Electronic sensing

CPU

Ceramic compound resin

(CCR) 120V 60 Hz 10W

18-1/8" width

6" height with dust cover attached and closed 15-3/8" depth with dust

cover closed

17 lbs 14 oz (8.6 kg)

Platter drive system

Insulation Motor

Platter diameter/thickness Platter weight

Platter mat weight

Speed

Speed adjustment range

Wow and flutter

S/N

Tone arm effective length

Overhang Tracking error

Recommended stylus pressure

Recommended cartridge

weight Headshell Arm control

Sub chassis

AC power requirement Power consumption Dimensions

PL-701

Belt drive Double floating FG servo DC motor 12"×1-3/16" 3.3 lbs. 0.6 lbs. 33 or 45 rpm

± 3%

0.03% nominal 70 dB DIN B nominal

8-15/32" 19/32" less than $\pm 2^{\circ}$ 0-3g (with cartridge weight 3.5 - 10g) 0 - 2.5g (with cartridge

weight 3 - 3.5g)

3 - 10g

Carbon fibre (removable) Electronic sensing CPU

fully automatic

Ceramic compound resin

(CCR) 120V 60 Hz

10W 18-1/8" width

6" height with dust cover attached and closed 15-3/8" depth with dust

cover closed 18 lbs 15 oz

Weight

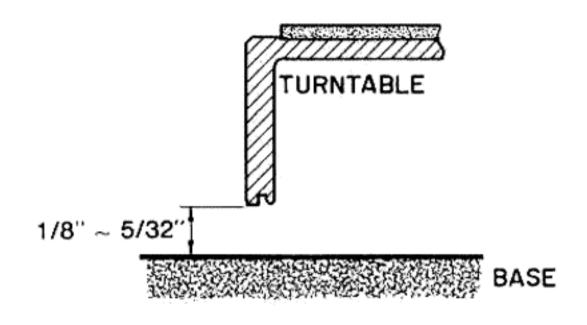


1. ADJUSTMENT

A. Turntable height adjustment

- Put the rubber mat and the disc stabilizer on the turntable.
- Keep the space between the base and the turntable platter 1/8" to 5/32" (3.0 to 4.0mm) by turning screws 1, 2 and 3 through the holes of the platter.

Note: Turn up the mat when turning the screws.



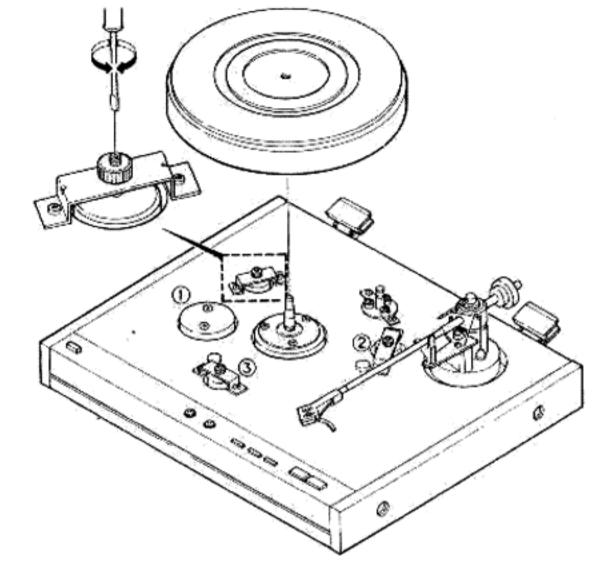
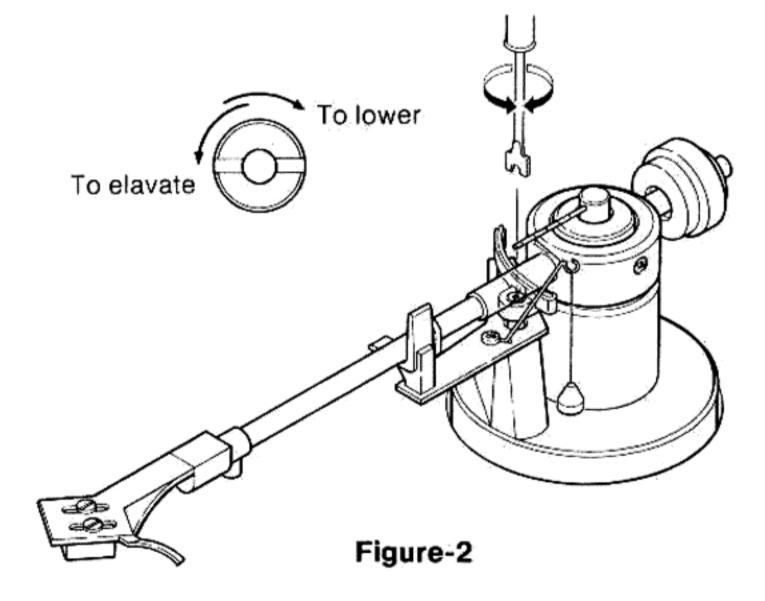


Figure-1

B. Tone arm adjustment

- 1. Turn the POWER switch on.
- Put a record and the rubber mat on the turntable.
- Push the UP/DOWN button and move the tone arm off the tone arm rest.
- 3. Turn the screw of the arm lift to make the distance from the stylus tip to the record 1/4" to 5/16" (6 to 7mm).

Note: Use a U-shaped screwdriver to turn the screw.



C. Speed adjustment

- 1. Remove the bottom cover.
- 2. Put the unit on stands as shown in figure-3. (This is to gain access to the control PWB.)
- 3. Turn the POWER switch on.
- 4. Put a record and the disc stabilizer on the turntable.
- Set the two SPEED ADJ knobs on the front panel to 12 o'clock position.
- 6. Select 33 rpm and start playing the disc.
- Adjust VR101 (PL-601) or VR103 (PL-701) on the Control PWB inside the unit for correct rotation speed by using a stroboscope.
- 6. Select 45 rpm speed and start playing the disc.
- 7. Adjust VR102 (PL-601) or VR104 (PL-701) on the Control PWB inside the unit for correct rotation speed by using a stroboscope.

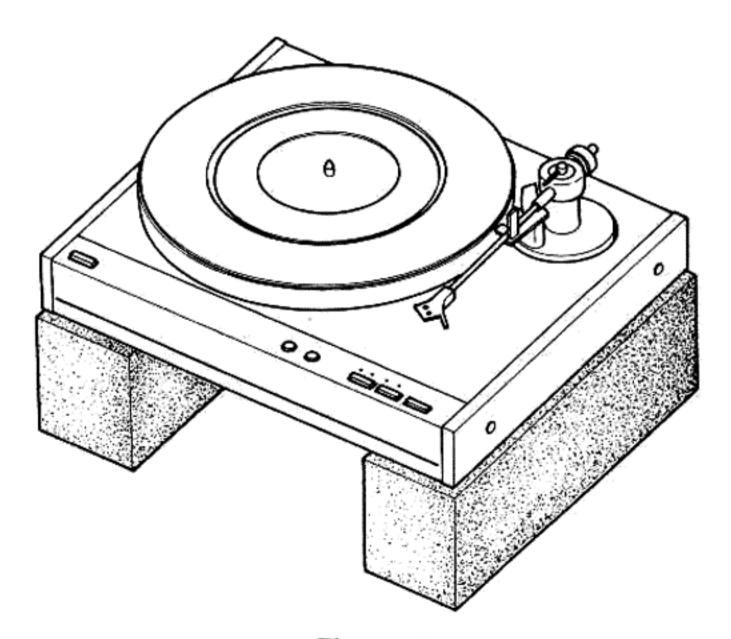


Figure-3

1. ADJUSTMENT

D. Automatic lead-in adjustment (PL-701)

- 1. Set the unit to the same condition as step 1-3 in Speed adjustment. (Note that this adjustment can be made through a hole of the bottom cover.)
- 2. Put a record on the turntable.
- 2. Push the START button.
- 3. Turn the offset-screw of the tone arm base (shown in figure-4) to make the stylus tip land on the area 6-39/64" to 6-49/64" (168 to 172mm) for 7" size, 11-17/32" to 11-21/32" (292.6 to 296mm) for 12" size from the spindle of the turntable.

E. Automatic return (lift) adjustment

- 1. Put a record on the turntable.
- Select 33 rpm speed and start playing. Place the tone arm on the silent end of the record.
- 3. Turn the offset-screw (shown in figure-4) of the tone arm base to make the tone arm returns (is lifted) in the area 3-55/64" to 4-1/16" (98 to 103.2mm) (for 7" size), 4-9/32" to 4-31/64" (108.6 to 113.8mm) (for 12" size) from the spindle of the turntable.

F. Offset voltage adjustment (PL-701)

- 1. Turn the POWER switch on.
- 2. Leave the tone arm on the rest.
- 3. Connect 2-pin and 7-pin of CNP104 on the Control PWB (inside the unit).
- 4. Adjust VR101 on the Control PWB to keep the voltage between pin-1 and pin-3 of CNP104 -0.2V to 0V.
- After completing above, open between 2-pin and 7-pin of CNP104.

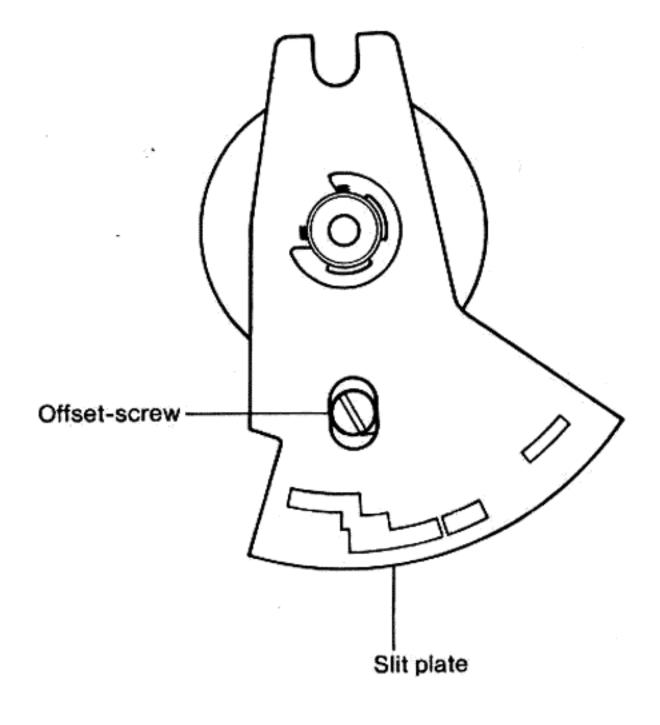
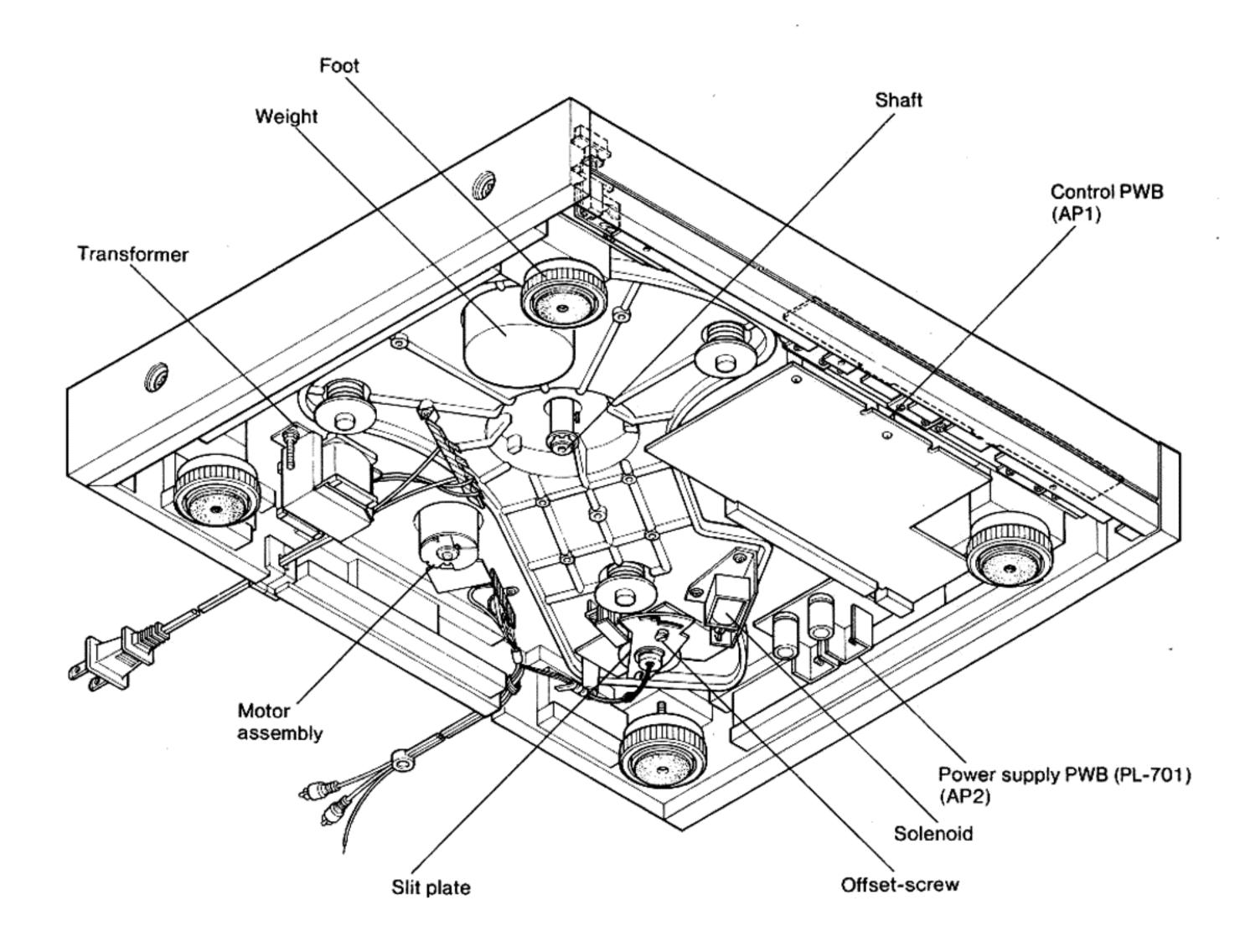
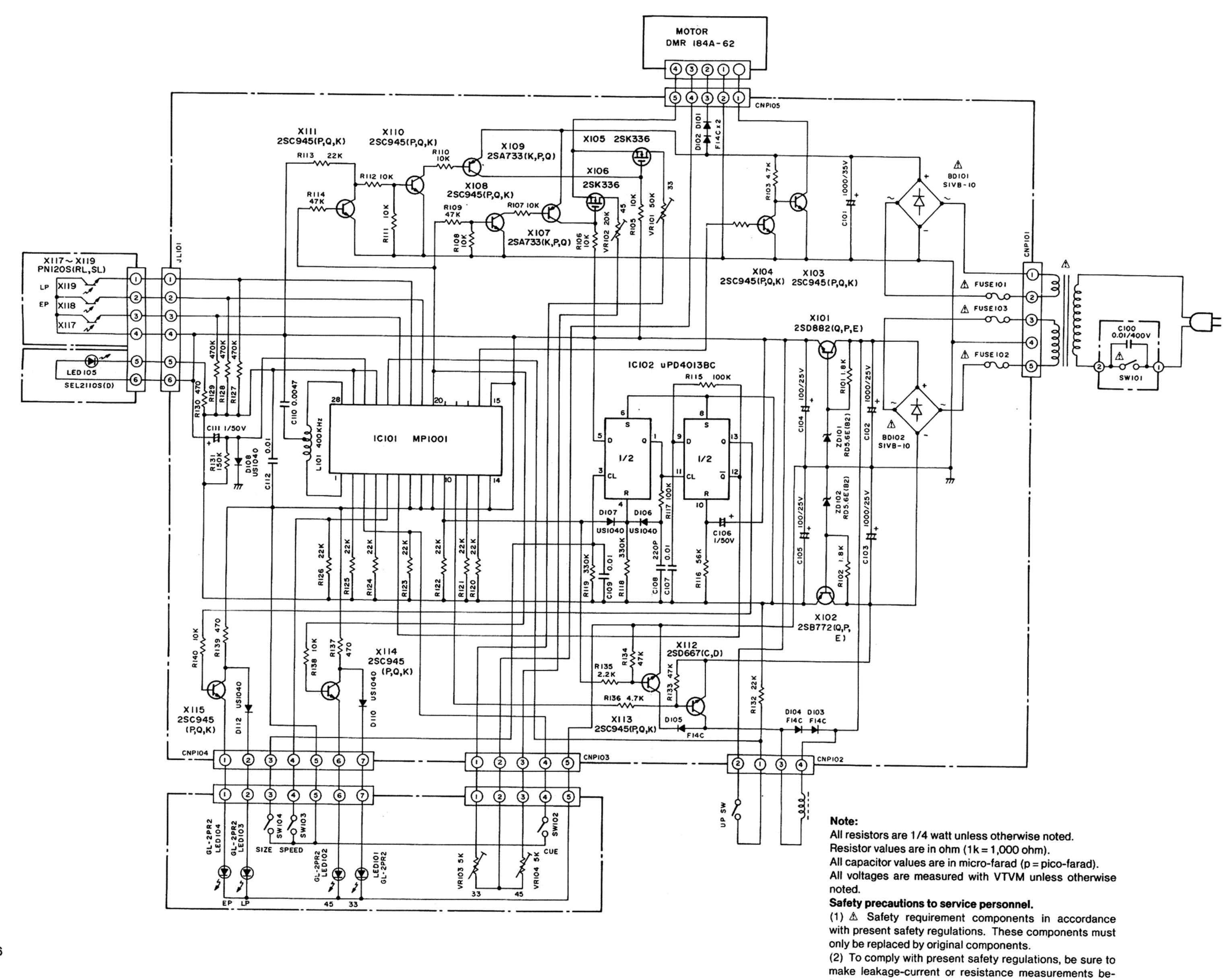


Figure-4

2. PARTS LOCATION



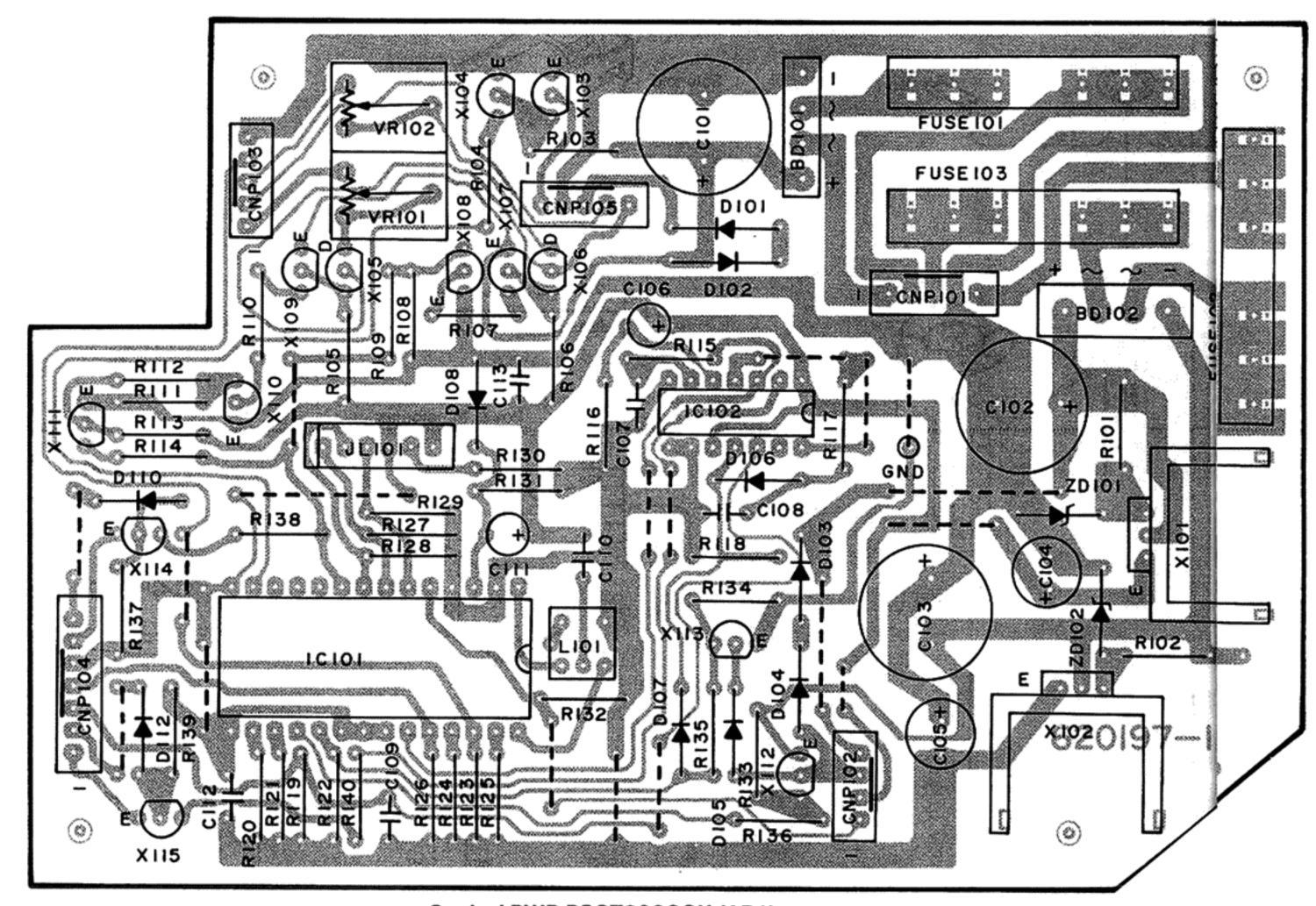
4. SCHEMATIC



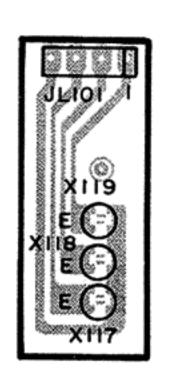
fore returning the appliance to customer.

5. PW BOARDS DETAILS

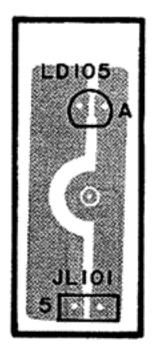
(Foil side)



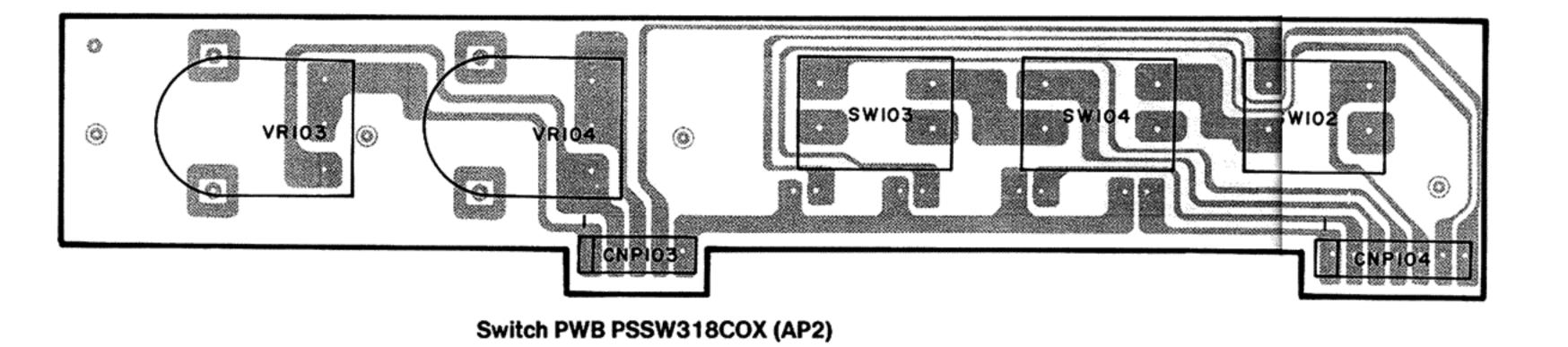
Control PWB PSCZ033COX (AP1)

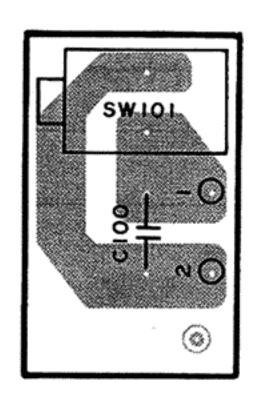


Sensor PWB PSZZ232COX (AP3)



LED PWB PSZZ233COX (AP4)

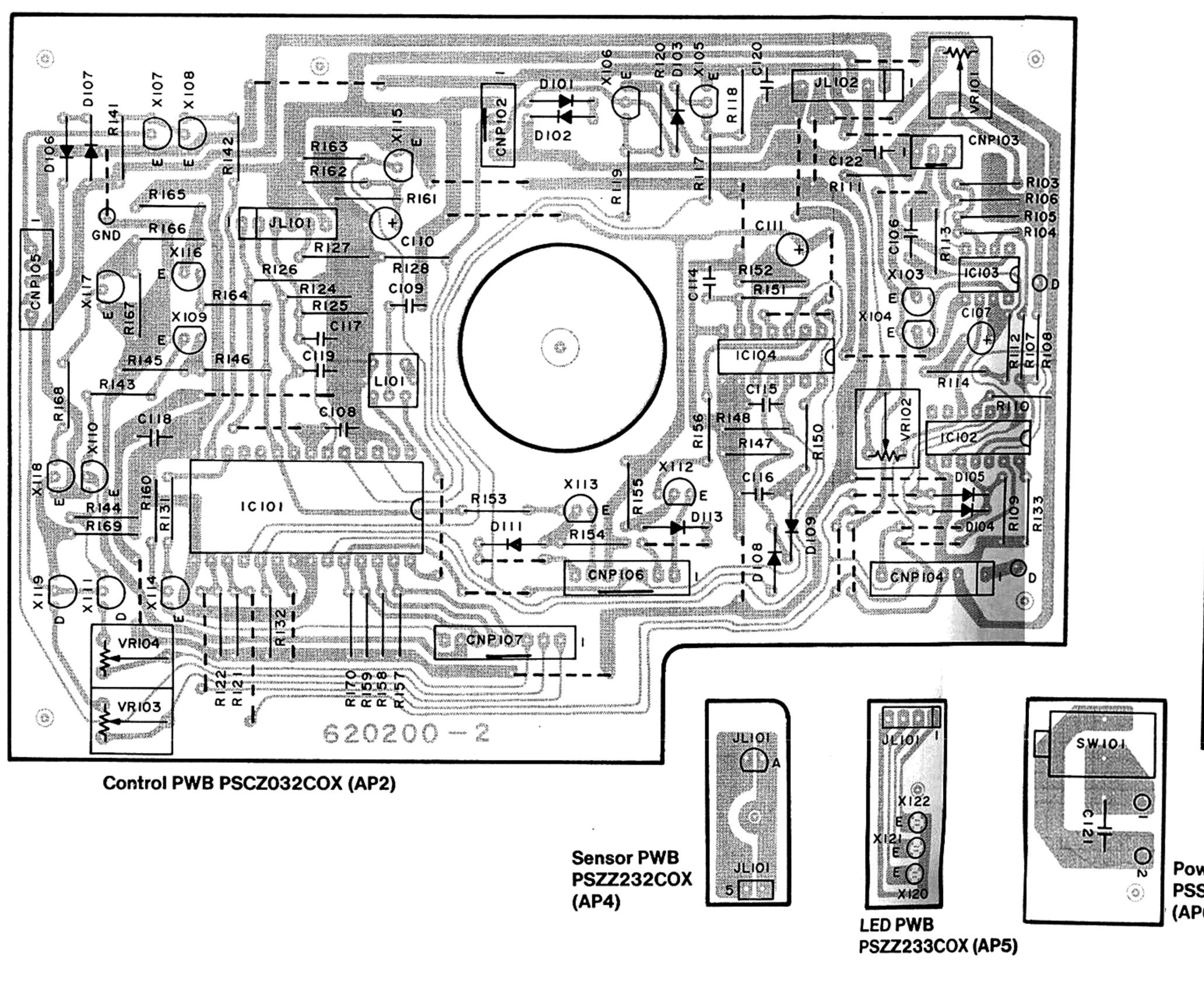


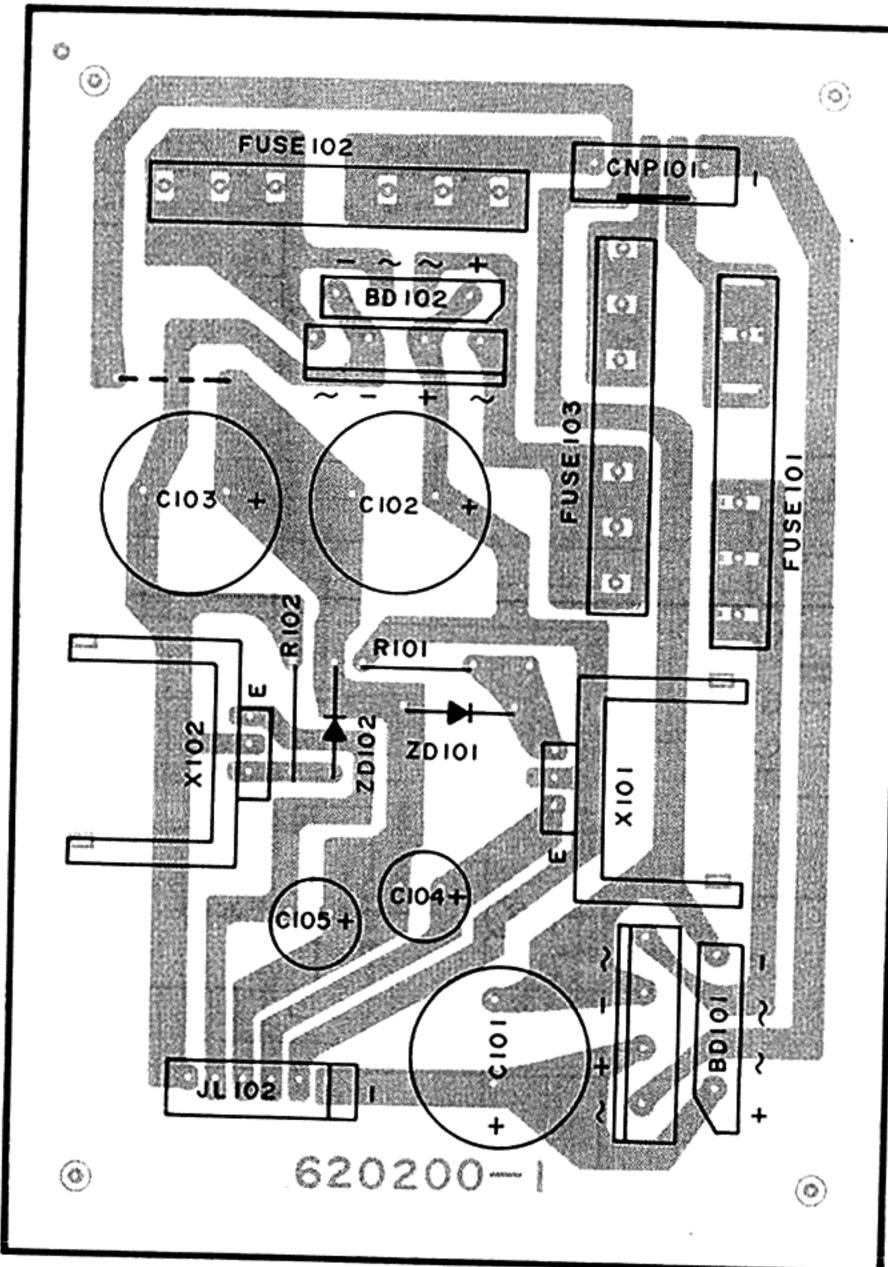


Power SW PSSW317COX (AP5)

8. PW BOARD DETAILS

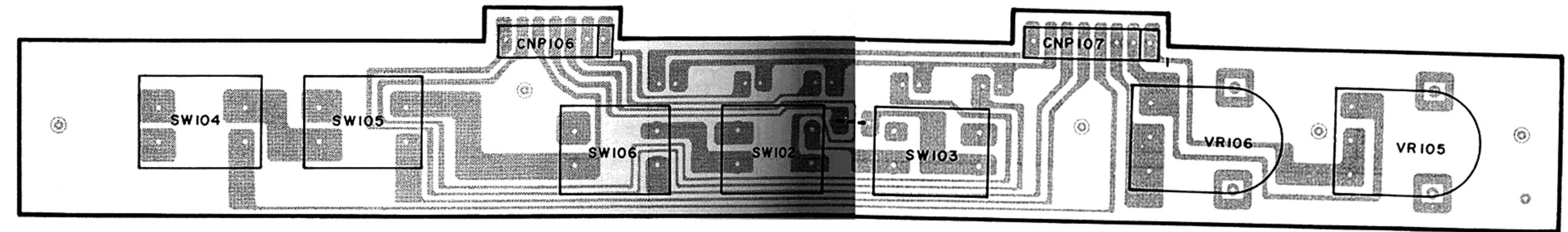
(Foil side)



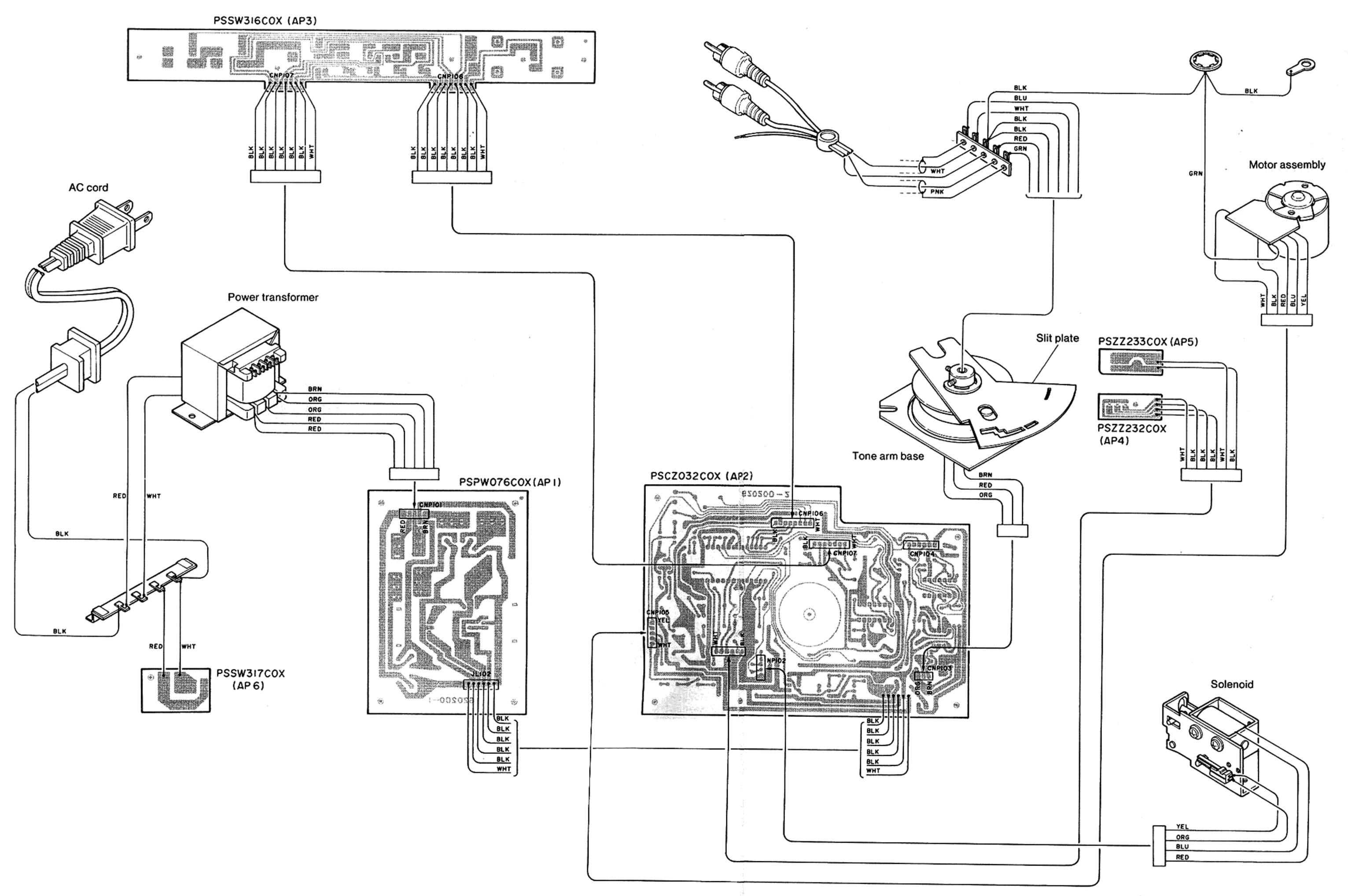


Power supply PWB PSPW076COX (AP1)

Power SW PWB PSSW317COX (AP6)



9. WIRING DIAGRAM



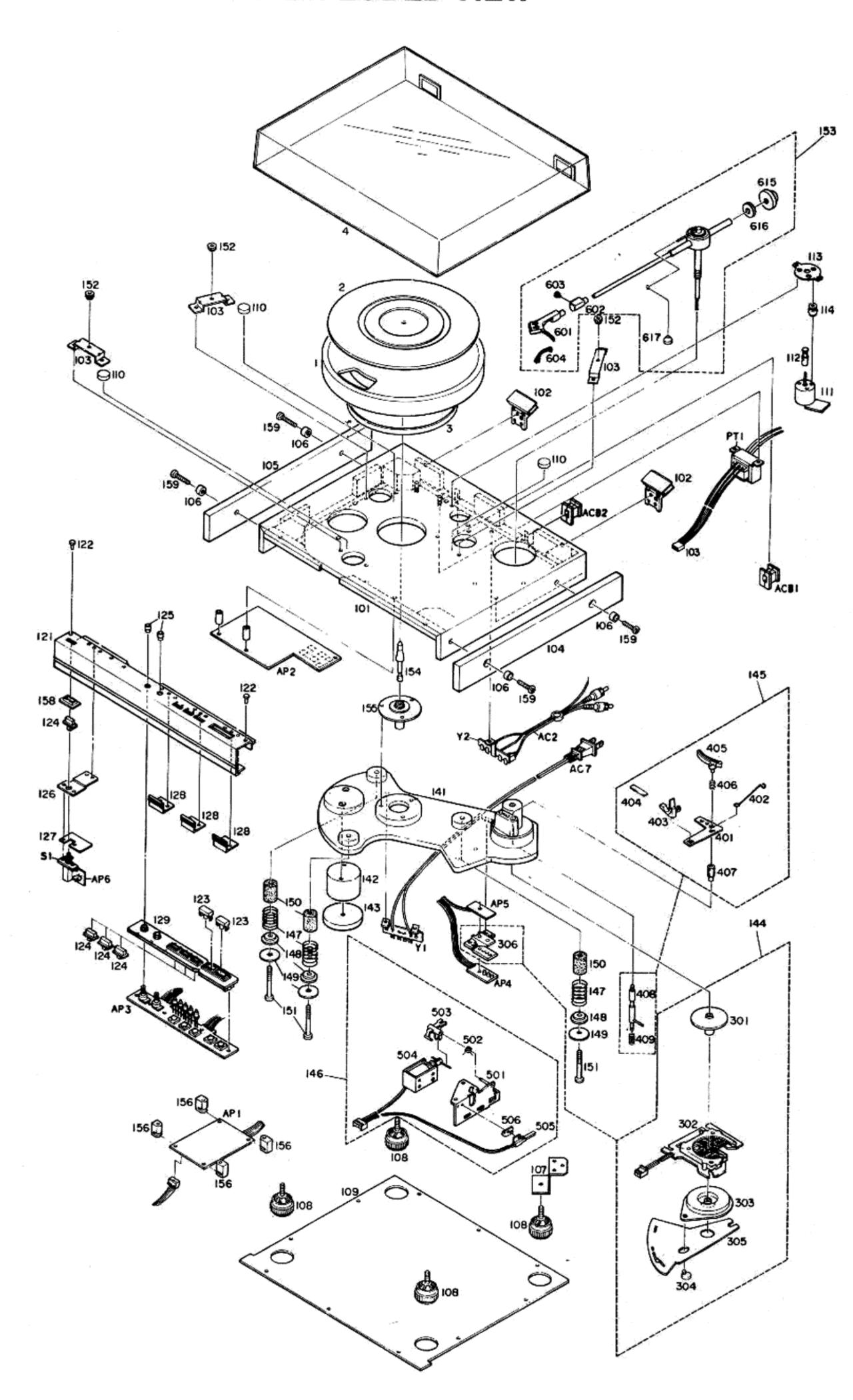
11. PARTS LIST

AMPL 701*05 (SOLENOID ASSY)

Exploded			Exploded		
View No.	Part Code	Description	View No.	Part Code	Description
***************************************		ATT AND ADDRESS OF THE PARTY OF	VICH NO.	rait cooc	besch the ton
501	HL533SD001	Angle	0100	00004F.00VT	D: -d- 404500
		Angle	D109	QDSS1588XT	Diode, 181588
502	HW161SJ002	Spring	D1 10	QDSS1588XT	Diode, 181588
503	VX322D#001	Lever	D111	QDSS1588XT	Diode, 181588
504	ZSA1122027	Solenoid	D112	QDSS1588X1	Diode, 1\$1588
505	AXSW013GEA	Leaf SW Assy			2.000, 101000
506	VS217BN002	Spacer	D121	ODCC AUBYVV	Diede Cave an
000	702 17 DHQ Q2	Spacei	D121	QDSS1VBXXK	Diode, S1VB-10
			D122	QDSS1VBXXK	Diode, S1VB-10
AMPL 7	01*06(10	ONE ARM ASSY)	D131	QDZ5R6EB2A	Diode, Zener RD5.6EB2
			0132	QDZ5R6FB2A	Diode, Zener RD5.6EB2
Exploded					
View No.	Part Code	Description	VR101	RPGNB50306	VD EAL(D)
VICW NO.	rait code	besci i pe i qui			VR, 50k(B)
664			VR102	RPGNB10307	VR, 1k(B)
601	VX652D H 001	Head Shell			
602	VX332AH001	Connector	L101	1107QQ001D	Coil, Osc. 400kHz
603	VM165DH001	Screw			
604	ACZZZ79GEA	Arm Wire Kit	F101	ZFB10207C	Euro 1A
					Fuse, 1A
615	HH487SH001	Weight	F102	ZFB10207C	Fuse, 1A
616	VM180SB001		F103	7FB10207C	Fuse, 1A
617	HH160CC001	IFC Weight			
			APSSW	318AA (/	(P2)
MISCE	LLANEOU	18	711 0011	3 1 0 11 11 (1	
WITSOL	LLANLO	3.3	Cumbal No	Pant Codo	Decemintion
	Dont Onda	D = t = 5 t = -	Symbol No.	Part Code	Description
	Part Code	Description			
			VR105	RVNA502B06	VR, 5k, 33
	KTPL601*BX	Owner's Manual	VR106	RVNA502B06	VR, 5k, 45
	KZ000049BX				,,, ,,,
	AVSTBL ZOO1		SH102	CKU1U1A5	CH IID /DOUN
		Disc Stabilizer		SK0101X37A	SW, UP/DOWN
	VM186DB001	EP Adaptor	SW103	SK0101X37A	SW, SPEED
			CUAAA	CYA1A1V274	CH 017f
			SW104	SK0101X37A	SW, SIZE
APSCZ	033AA (/	(P1)	5W 104	SKUTUTASTA	SW, 517E
APSCZ	033AA (/	(P1)			
			LD101	QLA2PR2XX3	LED, GL-2PR2
APSCZ (Symbol No.	033AA (/ Part Code	Description	LD101 LD102	QLA2PR2XX3 QLA2PR2XX3	LED, GL-2PR2 LED, GL-2PR2
Symbol No.	Part Code	Description	LD101 LD102 LD103	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2
Symbol No.			LD101 LD102	QLA2PR2XX3 QLA2PR2XX3	LED, GL-2PR2 LED, GL-2PR2
Symbol No.	Part Code	Description	LD101 LD102 LD103	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2
Symbol No.	Part Code	Description IC, MP1001	LD101 LD102 LD103 LD104	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2
Symbol No. IC101 IC102	Part Code QQPH1001AA QQ004013A&	Description IC, MP1001 IC, 4066	LD101 LD102 LD103	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2
Symbol No. IC101 IC102 X101	Part Code QQPM1001AA QQ004013A& QTD0882XAA	Description IC, HP1001 IC, 4066 Ir., 2SD882	LD101 LD102 LD103 LD104 Symbol No.	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description
Symbol No. IC101 IC102 X101 X102	Part Code QQPM1001AA QQ004013A& QTD0882XAA QTB0772XAA	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772	LD101 LD102 LD103 LD104 Symbol No.	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN1208
Symbol No. IC101 IC102 X101 X102 X103	Part Code QQPM1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772 Ir., 2SC945(P,Q)	LD101 LD102 LD103 LD104 Symbol No.	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description
Symbol No. IC101 IC102 X101 X102	Part Code QQPM1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772	LD101 LD102 LD103 LD104 Symbol No.	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN120S Photo Ir., PN120S
Symbol No. IC101 IC102 X101 X102 X103 X104	Part Code QQPM1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA QTC0945XJA	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q)	LD101 LD102 LD103 LD104 Symbol No. X117 X118	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code QTP0120AN QTP0120AN	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN1208
Symbol No. IC101 IC102 X101 X102 X103 X104 X105	Part Code QQPM1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA QTC0945XJA QTK0336XAC	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) FEI, 2SK336	LD101 LD102 LD103 LD104 Symbol No. X117 X118 X119	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code QTP0120AN QTP0120AN QTP0120AN	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S
Symbol No. IC101 IC102 X101 X102 X103 X104 X105 X106	Part Code QQPM1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA QTC0945XJA QTK0336XAC QTK0336XAC	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) FEI, 2SK336 FEI, 2SK336	LD101 LD102 LD103 LD104 Symbol No. X117 X118 X119	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code QTP0120AN QTP0120AN	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S
Symbol No. IC101 IC102 X101 X102 X103 X104 X105 X106 X107	Part Code QQPM1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA QTC0945XJA QTK0336XAC QTK0336XAC QTK0336XAC	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) FEI, 2SK336 FEI, 2SK336 Ir., 2SA733	LD101 LD102 LD103 LD104 Symbol No. X117 X118 X119 APSZZZ	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code QTP0120AN QTP0120AN QTP0120AN QTP0120AN	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN120S
Symbol No. IC101 IC102 X101 X102 X103 X104 X105 X106 X107 X108	Part Code QQPH1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA QTC0945XJA QTK0336XAC QTK0336XAC QTA0733XDA QTC0945XJA	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) FEI, 2SK336 FEI, 2SK336 Ir., 2SA733 Ir., 2SC945(P,Q)	LD101 LD102 LD103 LD104 Symbol No. X117 X118 X119 APSZZZ	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code QTP0120AN QTP0120AN QTP0120AN	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S
Symbol No. IC101 IC102 X101 X102 X103 X104 X105 X106 X107	Part Code QQPH1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA QTC0945XJA QTK0336XAC QTK0336XAC QTA0733XDA QTC0945XJA	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) FEI, 2SK336 FEI, 2SK336 Ir., 2SA733	LD101 LD102 LD103 LD104 Symbol No. X117 X118 X119 APSZZZ	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code QTP0120AN QTP0120AN QTP0120AN QTP0120AN	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN120S
Symbol No. IC101 IC102 X101 X102 X103 X104 X105 X106 X107 X108	Part Code QQPH1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA QTC0945XJA QTK0336XAC QTK0336XAC QTK0336XAC QTA0733XDA QTC0945XJA	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) FEI, 2SK336 FEI, 2SK336 Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q)	LD101 LD102 LD103 LD104 Symbol No. X117 X118 X119 APSZZZ Symbol No.	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code QTP0120AN QTP0120AN QTP0120AN QTP0120AN	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN120S
Symbol No. IC101 IC102 X101 X102 X103 X104 X105 X106 X107 X108 X109 X110	Part Code QQPH1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA QTC0945XJA QTK0336XAC QTK0336XAC QTK0336XAC QTA0733XDA QTC0945XJA QTC0945XJA	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) FEI, 2SK336 FEI, 2SK336 Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SA733 Ir., 2SC945(P,Q)	LD101 LD102 LD103 LD104 Symbol No. X117 X118 X119 APSZZZ	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code QTP0120AN QTP0120AN QTP0120AN QTP0120AN	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN120S
Symbol No. IC101 IC102 X101 X102 X103 X104 X105 X106 X107 X108 X109 X110 X111	Part Code QQPH1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA QTC0945XJA QTK0336XAC QTK0336XAC QTK0336XAC QTA0733XDA QTC0945XJA QTC0945XJA QTC0945XJA	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) FEI, 2SK336 FEI, 2SK336 Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q)	LD101 LD102 LD103 LD104 Symbol No. X117 X118 X119 APSZZZ Symbol No. LD105	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code QTP0120AN QTP0120AN QTP0120AN QTP0120AN QTP0120AN	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN120S CAP4) Description LED, SEL2110S(D)
Symbol No. IC101 IC102 X101 X102 X103 X104 X105 X106 X107 X108 X109 X110 X111 X112	Part Code QQPH1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA QTC0945XJA QTK0336XAC QTK0336XAC QTK0336XAC QTA0733XDA QTC0945XJA QTC0945XJA QTC0945XJA QTC0945XJA QTC0945XJA	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) FEI, 2SK336 FEI, 2SK336 Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q)	LD101 LD102 LD103 LD104 Symbol No. X117 X118 X119 APSZZZ Symbol No. LD105	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code QTP0120AN QTP0120AN QTP0120AN QTP0120AN	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN120S CAP4) Description LED, SEL2110S(D)
Symbol No. IC101 IC102 X101 X102 X103 X104 X105 X106 X107 X108 X109 X110 X111 X112 X113	Part Code QQPH1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA QTC0945XJA QTK0336XAC QTK0336XAC QTK0336XAC QTA0733XDA QTC0945XJA QTC0945XJA QTC0945XJA QTC0945XJA QTC0945XJA QTC0945XJA	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) FEI, 2SK336 FEI, 2SK336 Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SD667 Ir., 2SD667	LD101 LD102 LD103 LD104 Symbol No. X117 X118 X119 APSZZZ Symbol No. LD105 APSSW3	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code QTP0120AN QTP0120AN QTP0120AN QTP0120AN QTP0120AN 233AA Part Code QLAS2110SD 317AA	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN120S CAP4) Description LED, SEL2110S(D)
Symbol No. IC101 IC102 X101 X102 X103 X104 X105 X106 X107 X108 X109 X110 X111 X112	Part Code QQPH1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA QTC0945XJA QTK0336XAC QTK0336XAC QTK0336XAC QTA0733XDA QTC0945XJA QTC0945XJA QTC0945XJA QTC0945XJA QTC0945XJA QTC0945XJA	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) FEI, 2SK336 FEI, 2SK336 Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q)	LD101 LD102 LD103 LD104 Symbol No. X117 X118 X119 APSZZZ Symbol No. LD105	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code QTP0120AN QTP0120AN QTP0120AN QTP0120AN QTP0120AN 233AA Part Code QLAS2110SD 317AA	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN120S CAP4) Description LED, SEL2110S(D)
Symbol No. IC101 IC102 X101 X102 X103 X104 X105 X106 X107 X108 X109 X110 X111 X112 X113	Part Code QQPH1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA QTC0945XJA QTK0336XAC QTA0733XDA QTC0945XJA QTC0945XJA QTC0945XJA QTC0945XJA QTC0945XJA QTC0945XJA QTC0945XJA	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) FEI, 2SK336 FEI, 2SK336 Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SA737 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q)	LD101 LD102 LD103 LD104 Symbol No. X117 X118 X119 APSZZZ Symbol No. LD105 APSSW3	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code QTP0120AN QTP0120AN QTP0120AN QTP0120AN QTP0120AN 233AA Part Code QLAS2110SD 317AA	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S CAP4) Description LED, SEL2110S(D) (AP6)
Symbol No. IC101 IC102 X101 X102 X103 X104 X105 X106 X107 X108 X109 X110 X111 X112 X113 X114	Part Code QQPH1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA QTC0945XJA QTK0336XAC QTA0733XDA QTC0945XJA QTC0945XJA QTC0945XJA QTC0945XJA QTC0945XJA QTC0945XJA QTC0945XJA	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) FEI, 2SK336 FEI, 2SK336 Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SD667 Ir., 2SD667	LD101 LD102 LD103 LD104 Symbol No. X117 X118 X119 APSZZZ Symbol No. LD105 APSSW3 Symbol No.	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code QTP0120AN QTP0120AN QTP0120AN QTP0120AN QTP0120AN 2 3 3 A A Part Code QLAS2110SD 3 1 7 A A Part Code	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S CAPA) Description LED, SEL2110S(D) CAPA) Description
Symbol No. IC101 IC102 X101 X102 X103 X104 X105 X106 X107 X108 X109 X110 X111 X112 X113 X114 X115	Part Code QQPH1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) FEI, 2SK336 FEI, 2SK336 Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SA733 Ir., 2SC945(P,Q)	LD101 LD102 LD103 LD104 Symbol No. X117 X118 X119 APSZZZ Symbol No. LD105 APSSW3 Symbol No. Symbol No. S1	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code QTP0120AN QTP0120AN QTP0120AN QTP0120AN QTP0120AN 2 3 3 A A Part Code QLAS2110SD 3 1 7 A A Part Code SP01AAU23A	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S (AP4) Description LED, SEL2110S(D) (AP6) Description SW, Power
Symbol No. IC101 IC102 X101 X102 X103 X104 X105 X106 X107 X108 X109 X110 X111 X112 X113 X114 X115 D101	Part Code QQPH1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) FEI, 2SK336 FEI, 2SK336 Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SD667 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q)	LD101 LD102 LD103 LD104 Symbol No. X117 X118 X119 APSZZZ Symbol No. LD105 APSSW3 Symbol No.	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code QTP0120AN QTP0120AN QTP0120AN QTP0120AN QTP0120AN 2 3 3 A A Part Code QLAS2110SD 3 1 7 A A Part Code	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S CAPA) Description LED, SEL2110S(D) CAPA) Description
Symbol No. IC101 IC102 X101 X102 X103 X104 X105 X106 X107 X108 X109 X110 X111 X112 X113 X114 X115 D101 D102	Part Code QQPH1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA QTC0945XJA QTK0336XAC QTA0733XDA QTC0945XJA	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) FEI, 2SK336 FEI, 2SK336 Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SD667 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q)	LD101 LD102 LD103 LD104 Symbol No. X117 X118 X119 APSZZZ Symbol No. LD105 APSSW3 Symbol No. Symbol No. S1	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code QTP0120AN QTP0120AN QTP0120AN QTP0120AN QTP0120AN 2 3 3 A A Part Code QLAS2110SD 3 1 7 A A Part Code SP01AAU23A	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S (AP4) Description LED, SEL2110S(D) (AP6) Description SW, Power
Symbol No. IC101 IC102 X101 X102 X103 X104 X105 X106 X107 X108 X109 X110 X111 X112 X113 X114 X115 D101 D102 D103	Part Code QQPH1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) FEI, 2SK336 FEI, 2SK336 Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SD667 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Diode, F14C Diode, F14C	LD101 LD102 LD103 LD104 Symbol No. X117 X118 X119 APSZZZ Symbol No. LD105 APSSW3 Symbol No. Symbol No. S1	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code QTP0120AN QTP0120AN QTP0120AN QTP0120AN QTP0120AN 2 3 3 A A Part Code QLAS2110SD 3 1 7 A A Part Code SP01AAU23A	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S (AP4) Description LED, SEL2110S(D) (AP6) Description SW, Power
Symbol No. IC101 IC102 X101 X102 X103 X104 X105 X106 X107 X108 X109 X110 X111 X112 X113 X114 X115 D101 D102	Part Code QQPH1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA QTC0945XJA QTK0336XAC QTA0733XDA QTC0945XJA	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) FEI, 2SK336 FEI, 2SK336 Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SA733 Ir., 2SC945(P,Q)	LD101 LD102 LD103 LD104 Symbol No. X117 X118 X119 APSZZZ Symbol No. LD105 APSSW3 Symbol No. Symbol No. S1	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code QTP0120AN QTP0120AN QTP0120AN QTP0120AN QTP0120AN 2 3 3 A A Part Code QLAS2110SD 3 1 7 A A Part Code SP01AAU23A	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S (AP4) Description LED, SEL2110S(D) (AP6) Description SW, Power
Symbol No. IC101 IC102 X101 X102 X103 X104 X105 X106 X107 X108 X109 X110 X111 X112 X113 X114 X115 D101 D102 D103 D104	Part Code QQPH1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA QTC0945XJA QTK0336XAC QTA0733XDA QTC0945XJA	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) FEI, 2SK336 FEI, 2SK336 Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SD667 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Diode, F14C Diode, F14C Diode, F14C Diode, F14C	LD101 LD102 LD103 LD104 Symbol No. X117 X118 X119 APSZZZ Symbol No. LD105 APSSW3 Symbol No. Symbol No. S1	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code QTP0120AN QTP0120AN QTP0120AN QTP0120AN QTP0120AN 2 3 3 A A Part Code QLAS2110SD 3 1 7 A A Part Code SP01AAU23A	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S (AP4) Description LED, SEL2110S(D) (AP6) Description SW, Power
Symbol No. IC101 IC102 X101 X102 X103 X104 X105 X106 X107 X108 X109 X110 X111 X112 X113 X114 X115 D101 D102 D103 D104 D105	Part Code QQPH1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA	Description IC, HP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) FEI, 2SK336 FEI, 2SK336 Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SD667 Ir., 2SC945(P,Q)	LD101 LD102 LD103 LD104 Symbol No. X117 X118 X119 APSZZZ Symbol No. LD105 APSSW3 Symbol No. Symbol No. S1	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code QTP0120AN QTP0120AN QTP0120AN QTP0120AN QTP0120AN 2 3 3 A A Part Code QLAS2110SD 3 1 7 A A Part Code SP01AAU23A	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S (AP4) Description LED, SEL2110S(D) (AP6) Description SW, Power
Symbol No. IC101 IC102 X101 X102 X103 X104 X105 X106 X107 X108 X109 X110 X111 X112 X113 X114 X115 D101 D102 D103 D104 D105 D106	Part Code QQPH1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) FEI, 2SK336 FEI, 2SK336 Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SD667 Ir., 2SD667 Ir., 2SC945(P,Q)	LD101 LD102 LD103 LD104 Symbol No. X117 X118 X119 APSZZZ Symbol No. LD105 APSSW3 Symbol No. Symbol No. S1	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code QTP0120AN QTP0120AN QTP0120AN QTP0120AN QTP0120AN 2 3 3 A A Part Code QLAS2110SD 3 1 7 A A Part Code SP01AAU23A	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S (AP4) Description LED, SEL2110S(D) (AP6) Description SW, Power
Symbol No. IC101 IC102 X101 X102 X103 X104 X105 X106 X107 X108 X109 X110 X111 X112 X113 X114 X115 D101 D102 D103 D104 D105 D106 D107	Part Code QQPH1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) FEI, 2SK336 FEI, 2SK336 Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SA67 Ir., 2SC945(P,Q) Ir., 2SD667 Ir., 2SD667 Ir., 2SC945(P,Q)	LD101 LD102 LD103 LD104 Symbol No. X117 X118 X119 APSZZZ Symbol No. LD105 APSSW3 Symbol No. Symbol No. S1	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code QTP0120AN QTP0120AN QTP0120AN QTP0120AN QTP0120AN 2 3 3 A A Part Code QLAS2110SD 3 1 7 A A Part Code SP01AAU23A	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S (AP4) Description LED, SEL2110S(D) (AP6) Description SW, Power
Symbol No. IC101 IC102 X101 X102 X103 X104 X105 X106 X107 X108 X109 X110 X111 X112 X113 X114 X115 D101 D102 D103 D104 D105 D106	Part Code QQPH1001AA QQ004013A& QTD0882XAA QTB0772XAA QTC0945XJA	Description IC, MP1001 IC, 4066 Ir., 2SD882 Ir., 2SB772 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) FEI, 2SK336 FEI, 2SK336 Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SA733 Ir., 2SC945(P,Q) Ir., 2SC945(P,Q) Ir., 2SD667 Ir., 2SD667 Ir., 2SC945(P,Q)	LD101 LD102 LD103 LD104 Symbol No. X117 X118 X119 APSZZZ Symbol No. LD105 APSSW3 Symbol No. Symbol No. S1	QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 QLA2PR2XX3 Part Code QTP0120AN QTP0120AN QTP0120AN QTP0120AN QTP0120AN 2 3 3 A A Part Code QLAS2110SD 3 1 7 A A Part Code SP01AAU23A	LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 LED, GL-2PR2 Description Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S Photo Ir., PN120S (AP4) Description LED, SEL2110S(D) (AP6) Description SW, Power

PL-701

12. EXPLODED VIEW



PL-701

13. PARTS LIST

M E +	APSSW	316AA (/	AP3)
Expli	Symbol No.	Part Code	Description
View			
	VR105	RVNA502B06	VR, 33, 50k
1	VR106	RVNA502B06	VR, 45, 50k
3	ı		,,
3	S102	SK0101X37A	SW, Size
4	S103	SK0101X37A	SW. Speed
	S104	SK0101X37A	SW. Start
101	S105	SK0101X37A	SW, Up
102	S106	SK0101X37A	SW, Repeat
103			on, nopout
104	LD102	QLA2PR2XX3	LED, 17
105	LD103	QLA2PR2XX3	LED, 30
106	LD104	QLA2PR2XX3	LED, 30 LED, 45
107	LD105	QLA2PR2XX3	LED, 43 LED, 33
108	LD106	QLA2PR2XX3	
109	20100	WENZFRZAKO	lfD, Repeat
110	1101	TT07000040	0-11 0
111	L101	TT07QQ001D	Coil, Osc, 400kHz
112	A-D-Ó-7-77		/ A 15 A 1
113	APSZZZ	232AA	(AP4)
114	Cumbal Na	Doort Oak	
114	SYMDOL NO.	Part Code	Description
121	X117	OT DO 120AM	Dhoto To Duagon
122	X118	QTP0120AN	Photo Ir., PN120S
123	X119	QTP0120AN	Photo Ir., PN120S
124	VIIA	QTP0120AN	Photo Ir., PN120S
125	ADCAAC		
126	APSAA2	233AA ((AP5)
127	Cumbal No	0	Barrell All
128	SYMDOL NO.	Part Code	Description
129	10405	01 40044000	150 05101111
123	LD105	QLAS2110SD	LED, SEL2110S(D)
141	APSSW	17AA (AP6)
142	00110	, , , , , , ,	// U/
143	Symbol No.	Part Code	Description
144		1411 0000	DOSCI I PCTOII
145	S1	SP01AAU23A	SW, Power
146	C100	CKDU103PGM	Ceramic, 0.01MF
147		onbortor arr	Columbe, V.VIII
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